

Division of Solid and Hazardous Waste
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SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this solid waste facility permit is hereby issued to:

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY

FACILITY TYPE:	<u>Class I Sanitary Landfill</u>
FACILITY NUMBER:	<u>0603B1SP01</u>
LOT NOS.:	<u>14, 15, 16, 18, 19 and portions of 2, 3 & 4</u>
BLOCK NO.	<u>76</u>
MUNICIPALITY:	<u>Deerfield Township</u>
COUNTY:	<u>Cumberland</u>
EXPIRATION DATE:	<u>October 20, 2005</u>

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection as same may be amended in the future. Any references herein to specific regulations include any future amendments thereto.

This permit shall not prejudice any claim the state may have to riparian land, nor does it allow the permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this state without prior acquisition of the necessary grants, permits or approvals from the Department of Environmental Protection.

Compliance with the terms of this permit does not relieve the Applicant of the obligation to comply with all applicable state and federal statutes, rules and other permits.

Failure to comply with all of the conditions specified herein may result in revocation of this permit and/or other regulatory or legal actions which the Department is authorized to institute by law.

This permit is non-transferable without approval from the Department pursuant to N.J.A.C. 7:26-2.7(e).

December 30, 1985
Original Date of Issuance

December 31, 1990
Programs
Renewal Date

July 28, 1997
Renewal Date

Oct 20, 2000
Expansion permit
Issuance Date

Signed by Thomas Sherman, Assistant Director
Thomas Sherman
Assistant Director
Office of permitting and Technical

Solid Waste Facility Permit for the Cumberland County Improvement Authority Sanitary Landfill, Deerfield Township, Cumberland County, Facility Number 0603B1SP01.

This permit is contingent upon compliance with and implementation of the following:

A. GENERAL CONDITIONS

1. Permitted Waste Types

The following solid waste materials, as defined by waste I.D. numbers and defined in N.J.A.C. 7:26-2.13(g), may be accepted for disposal at the landfill:

<u>I.D.</u>	<u>Waste</u>
10	Municipal Waste (household, commercial and institutional)
13	Bulky waste
13C	Construction and demolition waste
23	Vegetative waste except leaves pursuant to N.J.S.A. 13:1E-99.21
25	Animal and food processing waste
27	Dry industrial waste
27A	Waste material consisting of asbestos or asbestos containing waste
27I	Waste material consisting of incinerator ash or ash containing waste

2. Prohibited Waste Types

The following solid waste materials, liquid or solid, as defined by waste I.D. numbers and defined in N.J.A.C. 7:26-2.13(g) and (h), may not be accepted for disposal at the landfill:

<u>I.D.</u>	<u>Waste</u>
12	Dry sewage sludge
72	Bulk liquid and semi-liquids
73	Septic tank clean-out wastes
74	Liquid sewage sludge

Leaves pursuant to N. J. S. A. 13:1E-99.21

Regulated Medical Waste Class 1 through 7 as per N.J.A.C. 7:26-3A.5

Hazardous Waste as defined, identified or otherwise classified in N.J.A.C. 7:26G-5.
Recyclable Materials as designated in the Cumberland County District Recycling Plan.

3. Recyclables

Recyclable materials designated in the Cumberland County District Recycling Plan to be source separated in each municipality pursuant to N.J.S.A. 13:1E-99.11 and 99.13b(2) shall not be accepted for disposal at the landfill. Any recyclable materials described above, detected in a load of waste accepted at the facility shall be handled pursuant to the Operations and Maintenance Manual.

4. Haulage Vehicles

Only vehicles properly registered, pursuant to N.J.A.C. 7:26-3, with the Department, unless exempt from the registration requirements pursuant to N.J.A.C. 7:26-3.3, and displaying the appropriate registration number shall be admitted for unloading of any solid waste at the facility. The facility shall be operated in accordance with N.J.A.C. 7:26-2.11.

5. Waste Delivery Haul Routes

All solid waste collection/haulage vehicles shall enter the facility via the paved access road from Jesse's Bridge Road (County Road 636) and proceed to the scalehouse. All solid waste collection/haulage vehicles are prohibited from traveling on "Haul Road" on Lot 19 near Old Kenyon Road.

6. On-Site Traffic Control

On-site traffic control measures shall be implemented to provide for orderly vehicle movement on the facility grounds. The measures implemented shall include the appropriate use of lane delineations, signals and signs. All on-site roadways, except for the temporary roads on the active areas of the landfill, shall be constructed and maintained to withstand heavy vehicle usage.

7. Unauthorized Waste

A program shall be maintained for detecting and preventing the disposal of regulated hazardous waste and other unauthorized waste. The program shall include the random inspection of incoming loads, recording any inspections, and training of facility personnel to recognize regulated hazardous waste. The program shall include the following:

- a. Any truck suspected of hauling hazardous waste shall be stopped and inspected. Any vehicle found to be carrying a hazardous waste material as

defined at N.J.A.C. 7:26G-5 shall not be permitted to dump at the facility.

- b. Facility personnel shall conduct continuous visual monitoring of the discharged waste. Any suspected unacceptable waste shall be removed from the processing stream.
- c. Any suspected hazardous waste, regulated medical waste or liquids found in a load accepted at the facility shall not be returned to the generator. Such material shall be segregated and stored in a secure manner and the discovery of any such wastes at the facility shall immediately be brought to the attention of the NJDEP using the NJDEP Environmental Action Hotline at (888) WARN DEP. The permittee shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel.

8. Hours of Operation

The Complex shall be open for the disposal of solid waste from 7:00 A.M. to 7:00 P.M., Monday through Saturday. The Complex shall be closed Sundays and holidays as defined in the facility's Operations and Maintenance Manual.

9. Vector Control

The sanitary landfill shall be operated in a manner that minimizes the propagation and harborage of insects, rodents and birds. Cover material shall be applied as needed to control vectors. An effective vector control program shall be instituted and maintained throughout the site. If vectors still present a problem, the permittee shall implement a program in compliance with the requirements of the New Jersey Pesticide Control Code, N.J.A.C. 7:30, by an applicator of pesticides certified in accordance with N.J.A.C. 7:30.

10. Noise Control

Noise control shall be implemented so that noise levels generated by the landfill operation shall not exceed the standards set forth by the New Jersey Noise Control Regulations at N.J.A.C. 7:29-1.2.

11. Odor Control

The operation of the facility shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, except for malodorous emissions emanating from the sanitary landfill which result in odors in areas over which the owner and/or

operator has exclusive use or occupancy.

Malodorous emissions shall be controlled by the use of daily cover at the landfill. In the event that this is not satisfactory, a suitable deodorant shall be used. Malodorous solid waste shall be covered immediately after unloading with a minimum of six inches of earthen cover or approved alternate cover material.

12. Fire Safety

An adequate water supply and/or fire fighting equipment shall be readily available on-site or on-call to extinguish any and all fires. In case of a fire, the permittee shall immediately notify the local police and fire department having jurisdiction and the NJDEP action line at (877) WARN DEP. The permittee shall be responsible for initiating and continuing fire-fighting actions until all smoldering, smoking and burning ceases. The permittee shall seek and obtain fire-fighting assistance if smoldering, smoking or burning persists for longer than 24 hours. The permittee shall ensure that local fire companies are thoroughly versed in the emergency plan of action for a fire at the facility. Specific procedures shall be outlined in the final Operations and Maintenance Manual for the landfill.

Fire fighting procedures and emergency procedures shall be posted prominently in the work area and shall include the telephone numbers of local fire, police ambulance and hospital facilities.

13. Security and Facility Access Control

Access to the site shall be restricted to facility personnel and authorized visitors. Access gates, at the landfill's entrance and exit driveways on Jesse's Bridge Road, shall be locked when the landfill is not in operation. The existing fence, gates and access roads shall be maintained in accordance with the Operations and Maintenance Manual.

14. Safety Procedures

A copy of the operating safety procedures shall be posted on-site. The permittee shall follow the Occupational Safety and Health Administration (OSHA) standards in the construction and operation of this facility for the safety of contractors, employees and other persons entering the premises.

Additionally, appropriate facility staff shall be trained to effectively respond to any equipment malfunction or emergency situation that may arise during facility operation.

15. Housekeeping

Routine housekeeping and maintenance procedures shall be implemented within the facility interior to prevent the accumulation of dust and debris on the public roads and to maintain general cleanliness in the working environment.

Litter at the landfill shall be controlled through the use of moveable fences of sufficient height or by an equivalent means. The litter fence shall be policed daily, and the litter collected shall be properly disposed of at the working face of the landfill.

Dust control at the landfill shall be affected by the spraying of water or the spreading of calcium chloride or an equivalent method approved by the Division as needed. Spraying of waste oil is prohibited.

Mud, soil, or other materials shall not be tracked onto any public roads by exiting vehicles. Effective measures shall be implemented to comply with this condition. If these measures prove ineffective in controlling soil tracking, the permittee shall remove all soil or other materials from the tires of exiting vehicles by means of a high-pressure steam (or water) cleaning apparatus or with a rumble rack.

16. Facility Operator

Any private individual, entity or corporation selected by the permittee to operate part or all of the facility activities shall be fully registered with the Department to conduct solid waste business in the State of New Jersey pursuant to the provisions set forth at N.J.A.C. 7:26-16.

17. Facility Personnel Training

All personnel directly involved in waste management activities or who operate, service or monitor any facility equipment, machinery or system shall successfully complete an initial program of classroom or on-the-job training which includes instruction in the operation and maintenance of equipment, machinery and systems and which teaches them to perform their duties in a manner that ensures the facility's compliance with the requirements of N.J.A.C. 7:26 and the conditions of all Department permits issued to the facility.

The training program shall ensure that appropriate facility personnel are able to effectively respond to any equipment malfunction or emergency situation that may arise. The training program shall provide instruction in the use of safety equipment, procedures for inspecting and repairing facility equipment, machinery and monitoring systems and the procedures to be followed during planned or unplanned shutdown of operations.

The training program shall require constant monitoring of incoming loads and shall include instruction related to identification and proper handling of suspected unauthorized waste types. Instruction in fire training and noise awareness shall be provided to appropriate personnel.

18. Facility Staffing

The facility shall maintain sufficient staff to ensure proper, orderly and safe operation of all materials handling, processing, monitoring and control, safety, emergency and security equipment items. Concurrently, the level of staffing shall provide the capability to handle all routine facility maintenance requirements and also to respond to all emergency situations.

A fully trained and qualified foreman or supervisor who is designated and authorized by the permittee to direct and implement all operational decisions shall be present at the facility during all operating hours.

19. Emergency Actions

In the event of an emergency, all measures outlined in N.J.A.C. 7:26-2A.8(b)42 shall be followed. The Department shall be notified immediately at (888) WARN DEP.

20. Plans On-Site

A copy of the approved engineering designs, the engineering reports, the final Operations and Maintenance Manual, the operations record and a copy of this permit shall be kept at the facility and shall be made available for inspection by Department personnel or its designated representatives.

21. As-Built Certification

Upon completion of construction of each phase of the landfill, certification by a New Jersey licensed Professional Engineer with expertise in civil or geotechnical engineering shall be provided as specified in N.J.A.C. 7:26-2A.7(a)20 through 24. The certification shall include a summary of daily quality control reports, all test results and two sets of as-built drawings.

No work performed under this permit shall be considered complete until such engineer's certification has been submitted to and accepted by this Division. In the event that said certification is not received or is not accepted, the work shall be considered incomplete.

All certifications shall bear the raised seal of the licensed professional engineer, the engineer's signature, and the date of the certification. The certification shall include the following statement: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold."

22. Duration of permit

This permit shall be effective for a maximum period of five (5) years from the date of its issuance. This permit may be renewed at that time upon the proper application, in accordance with the procedures outlined in N.J.A.C. 7:26-2.7(b).

23. Right of Entry

The permittee, by acceptance of this permit, hereby authorizes entry by Department representatives to make whatever inspections, searches, or examinations are deemed necessary by those representatives to determine the extent of compliance with any conditions of this permit.

24. Operations Record

The permittee shall maintain records of the facility's operations on a daily basis. The permittee shall submit monthly summaries to the Division of Solid and Hazardous Waste, Bureau of Recycling and Planning, no later than 20 days after the last day of the month. The information shall include the following:

- a. The tonnages and types of solid waste received, listed by origin, from each county (including municipality) and out-of-state source; and
- b. The tonnage of each waste type removed for disposal and the facility receiving the waste.

Where applicable, the information required to be recorded in the daily record shall be supplied by the collector/transporter to the facility operator on the waste origin/waste disposal (O&D) forms (or duplicates of the same). The O&D forms shall be kept by the permittee for a minimum of one (1) year and shall be made available for inspection by representatives of the Department. Copies shall be submitted to the Department upon request. The information provided on the daily records, O&D forms and monthly summaries shall denote compliance with N.J.A.C. 7:26-2.13.

25. Soil Erosion and Sediment Control

Prior to construction of each new phase, the permittee shall submit an updated copy of the certification from the Cumberland County Soil Conservation District of the Soil Erosion and Sediment Control Plan for this facility. The permittee shall comply with all requirements of the certified plan. All soil and sediment control practices shall be installed in their proper sequence and be regularly maintained.

B. SANITARY LANDFILL DESIGN AND CONSTRUCTION

This section refers to future construction only - Phases V and VI.

1. Landfill's Liner System Profile

The landfill's liner system profile shall be as follows (in descending order):

PRIMARY LINER

- 24-inch sand drainage layer with a hydraulic conductivity of 1×10^{-3} cm/sec or greater
- Geocomposite consisting of a 200 mil High Density Polyethylene (HDPE) Geonet with a hydraulic transmissivity of 2×10^{-3} m²/sec or greater. A single geocomposite (non-woven geotextile bonded to one side) shall be utilized on the base of the landfill cell and a double geocomposite (non-woven geotextile bonded to both sides) shall be used on the side slopes.
- 60-mil HDPE geomembrane textured on one side for the bottom and on both sides for side slopes.
- Geosynthetic clay liner (GCL) having a thickness of approximately 1/4 inch and a maximum hydraulic conductivity of 5×10^{-9} cm/sec. The geosynthetic clay liner will consist of a layer of sodium montmorillonite (bentonite) sandwiched between two layers of geotextile.

SECONDARY LINER

- Geocomposite consisting of a 200 mil High Density Polyethylene (HDPE) Geonet with a hydraulic transmissivity of 2×10^{-3} m²/sec or greater. A single geocomposite (non-woven geotextile bonded to one side) shall be utilized on the base of the landfill cell and a double geocomposite (non-woven geotextile bonded to both sides) shall be used on the side slopes.
- 60-mil HDPE geomembrane textured on one side for the bottom and on both sides for side slopes.
- GCL having a thickness of approximately 1/4 inch and a maximum hydraulic conductivity of 5×10^{-9} cm/sec. The geosynthetic clay liner will consist of a layer

of sodium montmorillonite (bentonite) sandwiched between two layers of geotextile.

- Compacted subgrade

2. Leachate Collection/Detection Systems and Disposal

The primary leachate collection system shall consist of 8-inch diameter perforated polyvinyl chloride (PVC) pipe installed at 300 foot spacing at a minimum of 1% slope. Leachate will be routed to the collection pipes via the sand drainage layer and geonet. The collection pipes will be surrounded by a geotextile-wrapped gravel envelope to prevent clogging.

The secondary leachate collection system is identical to the primary leachate collection system except for the omission of the 24-inch sand layer. In accordance with the approved designs, the primary and secondary leachate collection systems shall drain to separate internal sumps. The leachate is pumped from the collection sumps through a double-walled force main either directly to one of the two (2) above ground equalization tanks (tanks) or to one of the two (2) leachate storage lagoons located on-site and then into one of the tanks. The leachate flows from the equalization tanks to the adjacent Leachate Storage Facility for additional treatment, which includes both chemical and biological treatments.

Treated leachate is disposed of at the Cumberland County Utilities Authority Treatment Plant in Bridgeton, NJ. The liquid sludge generated at the Pre-treatment facility is disposed of at the working face of the landfill in accordance with the conditions and procedures outlined in the approved Operation & Maintenance Manual. Treated leachate shall not be stored for a period in excess of thirty (30) days.

4. Final Cover

Final cover shall consist of an impermeable cap comprised of the following elements (in descending order):

- A 24-inch soil layer consisting of six (6) inches of vegetation bearing topsoil and 18 inches of select fill
- 12-inch sand collection layer with a hydraulic conductivity of 1×10^{-3} cm/sec or greater
- 200-mil HDPE drainage composite with a hydraulic transmissivity of $1 \text{ cm}^2/\text{sec}$ or greater
- 60-mil textured Linear Low Density Polyethylene (LLDPE) geomembrane
- 12-inch cover material layer overlying the refuse layer

Final cover shall be applied within six (6) months to any area where final elevations have been achieved.

A geosynthetic cover may be used on a temporary basis in place of the final cover. The geosynthetic cover shall consist of a 16-mil woven reinforced polyethylene membrane and shall be anchored in place as shown on the approved engineering designs. This temporary final cover shall be maintained until placement of the final cover.

The Permittee shall notify this Division in writing as areas of the landfill are completed with the temporary final cover.

The final cover shall be stabilized by the establishment of vegetative cover in accordance with the Soil Erosion and Sediment Control Plan.

5. Ground and Surface Water Monitoring

The location, sampling and analysis of all ground water monitoring wells shall be in accordance with the approved New Jersey Pollutant Discharge Elimination System (NJPDES) permit for the landfill.

Storm water monitoring at the landfill shall be in accordance with the approved NJPDES Discharge to Ground Water (NJPDES/DGW) Permit for storm water monitoring.

6. On-Site Baseline

In accordance with N.J.A.C. 7:26-2A.7(a)2, the on-site baseline consisting of two vertical and horizontal control monuments shall be maintained.

7. Landfill Gas Venting and Monitoring

Methane gas monitoring wells shall be installed as shown on the engineering designs. Testing of the wells for the presence of methane gas shall be conducted on a quarterly basis. On an annual basis, a methane gas survey shall be performed at 300-foot intervals around the perimeter of the landfill's buffer zone. Test results shall be submitted to the Bureau of Landfill & Recycling Management within thirty (30) days of testing. The permittee shall notify the Bureau within twenty-four (24) hours if and when gas is detected at or above 25% of the lower explosive limit.

The landfill gas collection system shall be installed in four phases in accordance with the approved designs. The collected gas shall be flared on-site or used for energy applications.

An Air Pollution Control permit shall be obtained prior to the construction of the landfill

gas collection system pursuant to N.J.A.C. 7:27-8.2(a)1.

8. Landfill Service Capacity

The active fill area of this landfill shall be approximately 75.4 acres. Disposal of waste shall be limited to this area.

Final elevations, including final cover, shall not exceed 212 feet above mean sea level. All side slopes shall be constructed as specified on the engineering plans.

9. Buffer Zone and Landfill Setback

The landfill's setback area shall be as shown on the engineering designs. A minimum of 50 feet of buffer zone within the setback area shall be maintained. The buffer zone shall consist of naturally wooded areas and plantings as shown on the landscape plan contained in the engineering designs.

10. Soil Erosion and Sediment Control

The Permittee shall comply with all requirements of the Soil Erosion and Sediment Control Plan as certified by the Cumberland Soil Conservation District.

All soil and sediment control practices shall be installed in their proper sequence and be regularly maintained.

11. Construction Quality Assurance/Quality Control (QA/QC)

The facility's QA/QC plan as contained in the Engineering Designs and Documents of Records shall be adhered to during all construction phases. Daily QA/QC reports shall be prepared and maintained in a logbook which shall be available at the job site for inspection by the Department. All test results shall be included in the logbook.

The resident QA/QC team shall ensure that all Quality Assurance and Quality Control procedures are followed pursuant to Departmental guidelines as stated in the Solid Waste Management regulations, N.J.A.C. 7:26-1 et seq., in the construction of the landfill.

12. Engineering Designs and Documents of Records

The construction and operation of this facility shall be in accordance with the provisions of N.J.A.C. 7:26-1 et seq., and the following design reports and engineering plans. In case of conflict, the most recent revisions and supplemental information approved by the Department shall prevail over prior designs and submittals, and the later designs shall supersede the earlier engineering designs.

- a. Construction Specifications and Quality Assurance/Quality Control Plan, dated June 2000, signed by David W. Munion, P.E. of James C. Anderson Associates.
- b. Construction plans, sheets 1 through 26, dated June 2, 2000, labeled "Phase V Development", and prepared by James C. Anderson Associates.
- c. Engineering Design Report – 1998 Volume Addition, volumes I – III, dated May 1998, prepared by James C. Anderson Associates.
- d. Engineering plans, sheets 1 through 28, labeled "1998 Volume Expansion", dated May 1998, signed by David W. Munion, P. E. of James C. Anderson Associates.
- e. Engineering Design Report - 1995 Permit Modification and Renewal, volumes I - III, dated November 1995, signed by David W. Munion, P. E. of James C. Anderson Associates.
- f. Engineering plans, sheets 1 through 29, labeled "1995 Permit Modification and Renewal", dated November 1995, prepared by James C. Anderson Associates.
- g. Engineering Design Report and Environmental Impact Statement, dated May 1990, prepared by Gannett Fleming, Inc. for permit modification and renewal for construction of Phase III through VI of this landfill.
- h. Supplement Nos. 1 and 2 of the Engineering Design Report dated August 1990, prepared by Gannett Fleming, Inc. for permit modification and renewal.
- i. Engineering plans, sheets 1 through 31, dated May 1, 1990, signed by Robert F. Hasemeier, P.E. and John E. Waters, P.E. of Gannett Fleming, Inc.
- j. Engineering Design Report and Environmental Impact Statement, dated December 1984, prepared by Camp, Dresser & McKee, Inc.
- k. Engineering plans, sheets 1 through 22, dated January, 1985, signed by William S. Howard, P.E. of Camp, Dresser & McKee, Inc. and revisions to sheets G-10, G-11 and G-13 dated June 1985 and to sheets 1 through 12 dated September 1985.

C. OPERATIONS, MAINTENANCE AND MONITORING

1. Inspection, Operation and Maintenance Schedules

The following shall be performed on a daily basis:

- Record leachate amounts in primary and secondary collection systems
- Inspect leachate pumping systems
- Inspect leachate storage tanks
- Inspect leachate treatment and disposal systems
- Inspect methane gas pumping systems and flare(s)
- Inspect storm water sedimentation and detention basins
- Record precipitation
- Police buffer zone and site entrance for litter

The following shall be performed on a weekly basis:

- Inspect all environmental control systems
- Inspect ground water monitoring wells for damage
- Check leak detection system pipes and manholes
- Inspect the temporary cover, anchors and drainage swales
- Inspect leachate collection pipes, manholes and clean out risers
- Inspect pump station equipment and force main

The following shall be performed after storm events:

- Inspect all environmental control systems
- Inspect sedimentation and detention basins and surface runoff structures
- Inspect leachate collection pipes, manholes and clean out risers
- Inspect pump station equipment and force main
- Inspect the temporary cover, anchors and drainage swales

The following shall be performed on a quarterly basis:

- Conduct methane gas monitoring around the perimeter of the active landfill areas

The following shall be performed on an annual basis:

- Perform topographic survey of landfill
- Inspect leachate storage tank for leaks
- Conduct methane gas survey around perimeter of the buffer zone of the landfill
- Inspect and test leachate collection pipes
- Inspect emergency equipment

The following shall be performed biennially:

- Survey the baseline vertical and horizontal control monuments
- Overhaul leachate pumping system
- Overhaul methane gas pumping system

Monitoring of ground water discharges shall be performed in accordance with the NJPDES regulations, N.J.A.C. 7:14A.

Inspection, operation and maintenance of other aspects of the facility shall be performed, as necessary, in order to meet the terms of this Permit and all applicable regulations in addition to the above specific listed items.

The Permittee shall record the results of the inspections in a logbook, which shall be maintained at the sanitary landfill office, and be available, at all times, for inspection by the Department. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations and recommendations, and the date and nature of any repairs or other remedial action.

2. Waste Disposal Methods

The working face shall be confined to the smallest practical area, as is consistent with the proper operation of trucks and equipment, in order that the area of waste material exposed during the operating day is minimized. The maximum working face width shall not exceed 150 feet. At no time shall the area of exposed waste be greater than 15,000 square feet. The lift height of a daily cell shall not exceed 12 feet. Waste shall be compacted in two (2) foot layers. The maximum working face slope shall not exceed 3:1 (horizontal to vertical). Bulky or demolition waste shall not be disposed of in the first five (5) feet of the initial lift in each cell.

3. Cover Requirements

Daily and intermediate cover shall be of the types that can be workable under all weather conditions. Use of 16-mil woven reinforced polyethylene may be used in place of soil as daily cover in accordance with the approved Operations & Maintenance Manual.

A sufficient quantity of cover material shall be available at all times to ensure proper operation of the landfill. At the end of each day, daily cover, consisting of at least six (6) inches of soil or alternate cover material as approved by the Department, shall be placed on areas of the solid waste workface that will be exposed for less than 24 hours. Intermediate cover, which shall consist of at least 12 inches of soil, shall be applied to all surfaces exposed for any period exceeding 24 hours.

The landfill is to be constructed and operated in phases. Final cover as defined in section B-4 of this Permit shall be applied within six (6) months to any area where final

elevations have been reached. A geosynthetic cover may be used on a temporary basis in place of final cover.

4. Surface Water Control

The grade and thickness of cover material on all surfaces of the facility shall be maintained regularly so as to prevent the occurrence of ponding of water anywhere on the active landfill area except in designated stormwater control ponds. All provisions of the drainage plans as indicated in the approved engineering design shall be implemented. The channels and drainage structures shall be regularly maintained. Any drainage of run-off from the active landfill area shall be directed to the leachate collection system.

5. Closure and Post-Closure Plan

The Permittee shall comply with the requirements of N.J.A.C. 7:26-2A.9 for the closure and post-closure care of this facility. Failure to comply with the requirements of any closure plan approval issued from the Department may result in the revocation of this Permit.

6. Summary of Required Submittals

The following information shall be submitted to the Bureau of Landfill and Recycling Management, Division of Solid and Hazardous Waste, of this Department:

<u>Document</u>	<u>Due Date</u>
a.) Perimeter gas monitoring results	quarterly
b.) Leachate monitoring results (quality and quantity)	quarterly
c.) Daily precipitation summary	quarterly
d.) Annual Topographic survey and report	Prior to May 1 as per NJAC 7:26-2A.8(i)
e.) Closure and Financial Plan two-year update	biennially

Reports shall be based on data collected during the quarterly periods ending March 31, July 31, September 30 and December 31 of each year. Reports shall be submitted within 60 days after the end of the quarterly period.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under N.J.S.A. 13:1E-1 et seq., the Solid Waste Management Act. Specifically, failure to do so may result in loss of operating authority pursuant to N.J.S.A. 13:1E-12. This permit is contingent upon compliance with all local, state and federal laws and regulations.

The issuance of this permit and the conditions of operation identified herein shall not be interpreted as relieving the permittee of its responsibility to secure and maintain all other applicable all local, state and federal permits or similar forms of authorization relating to the construction and operation of this facility.